

**WHAT IS CLAIMED IS:**

1           1.       A mobile-terminal platform assembly comprising:  
2           a software services component comprising at least one functional software unit;  
3           a hardware component comprising at least one hardware unit associated with the at  
4 least one functional software unit; and  
5           an interface component comprising at least one software interface, the interface  
6 component being adapted to provide access by mobile-terminal application software to the  
7 software services component and the hardware component during testing of the mobile  
8 terminal and during a lifecycle of the mobile terminal.

1           2.       The mobile-terminal platform assembly of claim 1, wherein the mobile-  
2 terminal application software comprises software for testing the mobile terminal during  
3 production of the mobile terminal.

1           3.       The mobile-terminal platform assembly of claim 1, wherein the mobile-  
2 terminal application software comprises software for testing the mobile terminal during  
3 servicing of the mobile terminal during the lifecycle of the mobile terminal.

1           4.       The mobile-terminal platform assembly of claim 1, wherein the interface  
2 component comprises a middleware services layer.

1           5.       The mobile-terminal platform assembly of claim 2, wherein a code space  
2 occupied by the software for testing the mobile terminal during production of the mobile  
3 terminal may be overwritten after the testing of the mobile terminal during production has  
4 been completed.

1           6.       The mobile-terminal platform assembly of claim 2, wherein the mobile-  
2 terminal application software comprises software for use during servicing of the mobile-  
3 terminal during the lifecycle of the mobile terminal.

1           7.       The mobile-terminal platform assembly of claim 6, further comprising the  
2 mobile-terminal application software.

1           8.       The mobile-terminal platform assembly of claim 1, further comprising the  
2 mobile-terminal application software, wherein the mobile-terminal application software  
3 comprises software for testing the mobile terminal during servicing of the mobile terminal  
4 during the lifecycle of the mobile terminal.

1           9.       The mobile-terminal platform assembly of claim 1, wherein the hardware  
2 component interfaces with a factory test system, the factory test system being adapted to  
3 control the software for testing the mobile terminal during production of the mobile terminal.

1           10.      The mobile-terminal platform assembly of claim 1, wherein the hardware  
2 component interfaces with a factory test system, the factory test system being adapted to  
3 control the software for testing the mobile terminal during servicing of the mobile terminal  
4 during the lifecycle of the mobile terminal.

1           11.      The mobile-terminal platform assembly of claim 1, wherein the mobile  
2 terminal is for use in a wireless telecommunication system.

1           12.    A method of testing a mobile terminal, the method comprising:  
2           interoperably connecting the mobile terminal to a test system;  
3           wherein the mobile terminal comprises an interface component;  
4           wherein the interface component comprises at least one software interface;  
5           providing, via the interface component, of access by mobile-terminal-test application  
6 software to software and hardware of the mobile terminal during testing of the mobile  
7 terminal;  
8           the test system controlling the mobile-terminal-test application software via an  
9 external interface during the testing of the mobile terminal; and  
10          retaining the interface component, the hardware, and the software on the mobile  
11 terminal.

1           13.    The method of claim 12, wherein the mobile terminal is for use in a wireless  
2 telecommunication system.

1           14.    The method of claim 12, further comprising deleting the mobile-terminal-test-  
2 application software from the mobile terminal after the testing of the mobile terminal has  
3 been completed.

1           15.    The method of claim 12, wherein the mobile terminal is provided to a  
2 customer with the mobile-terminal-test-application software retained on the mobile terminal,  
3 the mobile-terminal-test-application software being inaccessible to end users of the mobile  
4 terminal.

1           16.     The method of claim 12, further comprising:  
2           following the testing of the mobile terminal, providing the mobile terminal to a  
3 customer; and  
4           following the step of providing, deleting the mobile-terminal-test-application software  
5 from the mobile terminal.

1           17.     The method of claim 14 or claim 16, further comprising adding application  
2 software in a code space previously occupied, at least in part, by the deleted mobile-terminal-  
3 test-application software.

1           18.     The method of claim 12, wherein the mobile-terminal application software  
2 comprises software for testing the mobile terminal during production of the mobile terminal.

1           19.     The method of claim 12, wherein the mobile-terminal application software  
2 comprises software for testing the mobile terminal during servicing of the mobile terminal  
3 during the lifecycle of the mobile terminal.